

CAS 104-40-5

Substance name 4-Nonylphenol; 4-NP

Toxicity

4-nonylphenol has been classified as a Category 1 endocrine disruptor by the European Union.¹ Uterotrophic assays indicate that nonylphenol has estrogenic activity.²⁻⁴

Exposure

The Danish EPA found 4-nonylphenol in 1 out of 2 nursing pillows.⁵ 4-nonylphenol was found in a variety of plastics in a Dutch survey of plastic children's toys.⁶ In a large biomonitoring study of the general U.S. population, 51% of people had 4-nonylphenol in their urine.⁷

References

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CAS 25154-52-3

Substance name Nonylphenol

Toxicity

Nonylphenol has been classified as a Category 1 endocrine disruptor by the European Union.¹ Uterotrophic assays indicate that nonylphenol has estrogenic activity, and several other lines of evidence suggest that nonylphenol can adversely affect mammalian reproduction.²

Exposure

The Danish EPA found nonylphenol in 1 of 3 pencil erasers³ and 1 of 28 infant sunscreens.⁴ A Dutch study of plastics in children's products found nonylphenol in many samples (mostly polyvinyl chloride).⁵

References

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2. 4-Nonylphenol (Branched) And Nonylphenol, Cas Nos: 84852-15-3 and 25154-52-3, Eines Nos: 284-325-5 and 246-672-0, Risk Assessment, Final Report, 2002, 2nd Priority List, Volume 10, European Union Risk Assessment Report, European Chemicals Bureau, European Commission Joint Research Centre, 2002.
3. Danish Ministry of the Environment, Environmental Protection Agency. Survey of Chemical Substances in Consumer Products, Report 84, 2007. http://www.mst.dk/English/Chemicals/Consumer_Products/Surveys-on-chemicals-in-consumer-products.htm
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